Wasch-Trockenautomat
Was/droogautomaat
Lave-sèche-linge automatique
Washer-dryer

ZANKER DUO 1200

1249936632

Gebrauchsanweisung Gebruiksaanwijzing Mode d'emploi Instruction booklet ZANKER

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TECHNICAL SPECIFICATIONS

Water pressure minimum N/cm² 55 N/cm² 80 Spin speed rpm 1200 Residual dampness after spinning (*) % 55 Maximum capacity: cotton washing kg 2.75 synthetics washing kg 2.75 synthetics washing kg 1.75 wool washing kg 1.75 wool washing kg 1.75 Drying time selection: high temperature mins. 20 to 100 low temperature mins. 20 to 100 Consumption during washing for a full load of cotton items at 95°C: (*) water 90 power kWh 2.35 cycle duration at 1200 rpm: (*) water 1 years 27 power kWh 1.9	Dimensi	sions Height Width Depth		cm cm cm	85 60 57
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Cycle deration mins.		cycle durat	tion	mins.	90

^(*) The residual dampness and consumption data refer to standard laboratory conditions and might be different in practice.

This appliance complies with E.E.C. directive No. 87/308 of 2.6.87 relative to radio interference suppression.

WARNINGS

It is most important that this instruction booklet be retained with the appliance for future reference. If the appliance is sold or transferred to another owner, or if you move house and leave the appliance, always ensure that the booklet is supplied so that the new owner can become acquainted with the operation procedures and warnings.

These warnings are provided in the interest of safety. They must be read carefully before installing or using the appliance.

- This appliance is designed to be operated by adults. Children should not be allowed to tamper with the controls or play with the machine.
- It is dangerous to alter the specifications or attempt to modify the appliance in any way.
- Any electrical work required to install the appliance should be carried out by a qualified electrician or competent person.
- Any plumbing work required to install the appliance should be carried out by a qualified plumber or competent person.
- This product should be serviced by an authorized Service Centre, and only genuine spare parts should be used.
- Care must be taken to ensure that the appliance does not stand on the power supply cable.
- Before selecting a programme or changing an ongoing programme the machine must be switched off by depressing the ON/OFF push-button.
- Always unplug the appliance and turn off the water after use.
- Do not overload the appliance. See relevant section in the instruction booklet.
- Always check through the glass door to see if the water has drained before opening the door. If water is present do not open door before draining. If in doubt, refer to the instruction booklet.
- This appliance is heavy. Care should be taken when moving it.
- All packing and transit bolts must be removed before use. Serious damage can occur to the appliance and to property if this is not done. See relevant section in instructions.
- The glass door becomes very hot during the washing and drying cycle. Keep children away from the appliance while in operation.
- Leave the glass door ajar between washes to preserve the door seal.

- Only wash and dry fabrics which are designed to be machine washed and dried. If in doubt, consult the manufacturer of the item.
- Before washing, ensure that all pockets are empty and buttons and zips fastened. Avoid washing frayed or torn articles and treat stains such as paint, ink, rust and grass before washing. Underwired bras must not be machine washed.
- Any objects such as coins, safety pins, nails, screws, stones or any other hard sharp material can cause extensive damage and must not be placed in the appliance.
- Garments saturated with petroleum products should not be machine washed. If volatile cleaning fluids are used, care should be taken to ensure that the fluid is removed from the garment before placing it in the machine.
- Wash small items such as socks, laces, washable belts etc. in a washing bag or pillow case as they may slip down between the tub and the inner drum.
- Only use the recommended quantities of fabric softener. Fabrics can be damaged if you over-fill. Refer to the manufacturer's quantity recommendations.
- The users should always check that they have not left their gas lighters (disposable or otherwise) in their clothing.
- Before the drying cycle always remove reusable plastic detergent dispenser designed to be placed inside the drum with the clothes as the plastic used is not designed to withstand the heath of the drying cycle.
- Pets have been known to climb into washing machines. Please check the drum before use.
- Under no circumstances should you attempt to repair the machine yourself. Repairs carried out by inexperienced persons may cause injury or more serious malfunctioning. Contact your local Service Centre. Always insist on genuine spare parts.

INSTALLATION

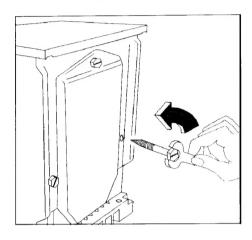
Unpacking

All transit bolts and packing **must** be removed before using the machine.

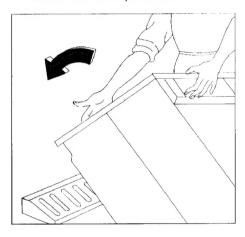
You are advised to keep all packing for re-use in case you move house and the machine has to be transported again.

Proceed as follows:

Using the spanner remove the screw on the right at the rear of the machine.

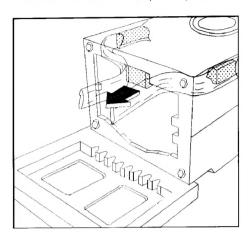


Carefully lay the machine on its back making sure that the hoses are not squashed.

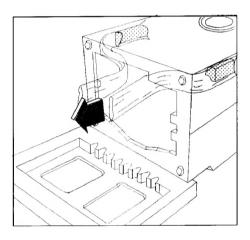


Remove the polystyrene panel from underneath the machine.

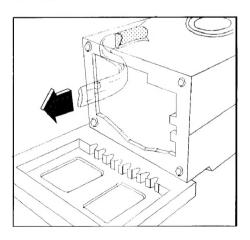
There is no need to keep this panel.



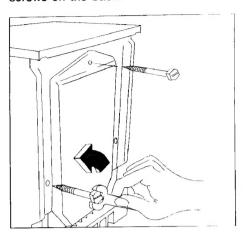
Carefully remove the polythene bag (on the right) by pulling it towards the centre of the machine.



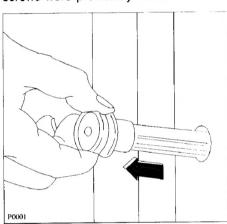
The left polythene bag can now also be removed from the machine.



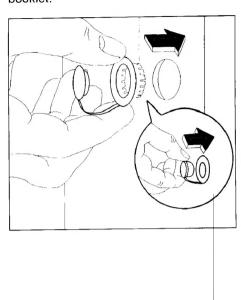
Set the machine upright and remove the remaining two screws on the back.



Remove the three plastic pins from the holes where the screws were previously fitted.



Plug the holes with the plugs supplied with the booklet.

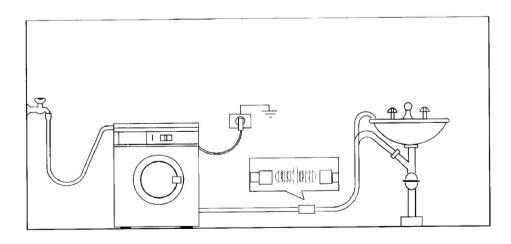


Positioning

Position the machine on a firm level surface. Reinforce wooden floors with a solid wood 5 cm thick panel or at least two boards. The supporting panel must protrude a few centimetres beyond the edge of the machine.

The machine must not touch the wall or other furniture.

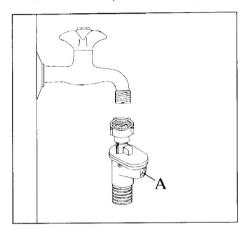
It is assumed that the tap, drainage point and socket are within easy reach of the machine hoses and power supply cable. If not, you are advised to call your fitter in order to move the tap and/or drainage point and/or socket.



Water inlet

Connect the water inlet hose to a tap with a 34" gas thread spout.

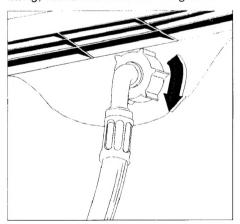
The inlet hose is equipped with a water stop device which protects against water damages caused by leaks on the fill hose which could develop due to natural ageing of the hose. In the water-stop system the leaking water fills the corrugated hose and activates a stop valve which cuts off the water supply to the machine. This fault is shown by a red sector on the window «A». Would this occur, please refer to your Service Agent.



Although the machine is provided with its own aerator, your local water board may require the machine to be connected to a ventilated tap.

If you know that the mains water supply pressure is often very high, fit a ¾" 23x4x4 mm reducer at the joint between the water inlet hose and the washing machine. The inlet hose must not be extended. If it is too short and you do not wish to move the tap, replace it completely with a longer high pressure hose specifically designed to solve problems of this type.

The other end of the inlet hose connected to the machine can be turned in any direction. Simply loosen the fitting, rotate the hose and retighten.



Water drainage

The end of the drain hose can be positioned in three ways:

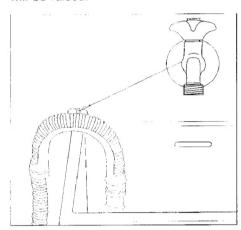
Over the edge of a basin: in this case you must ensure that the hose cannot move when the water is drained. Secure it to the wall with a hook, for example, or to the tap by means of a piece of string.

In a basin drainpipe branch: the branch must be above the basin siphon so that the end of the hose is at least 60 cm from ground level.

Directly in a drainpipe: you are advised to use a vertical 65 cm high pipe; in any case it should never be shorter than 60 cm or longer than 90 cm.

The end part of the drain hose must always be ventilated, i.e. the internal diameter of the pipe must be wider than the external diameter of the drain hose.

The drain hose can be extended up to a maximum length of 180 cm. Use an extension with an internal diameter at least equal to the diameter of the original hose and a suitable fitting. The hose extension will run along the floor and only the part near the drainage point will be raised.



Electrical connection

Check on the rating plate (inside the loading door) that the machine is designed for a 220-230V / 50Hz power supply.

The machine is supplied with a three-wire cable and

plug with earth.

The plug must be connected to a socket (connected up to the mains and in full working order) with earth - the machine must be earthed.

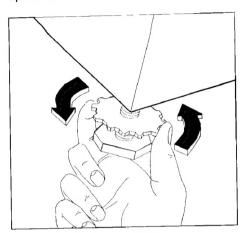
The connection cable cannot be extended. If it is too short, ask your fitter to replace it with a longer cable or move the socket.

Extensions or three-way adapters must not be used.

The manufacturer is not liable for damages or injury caused by failure to observe the above safety precautions.

Levelling

Position the appliance and level it by tightening or loosening one or two of the adjustable feet. Ensure that the machine is resting securely with all four feet on the ground: this is even more important than perfect levelling. Once the machine has been levelled, tighten up the lock nuts on all four feet.



HINTS ON WASHING AND DRYING

You are advised not to leave your laundry too long, especially when damp. Damp laundry produces mould and unpleasant smells.

Mould stains cannot be removed.

Sort your laundry.

Study carefully the chart in this booklet explaining the symbols used on clothes labels.

The following points are particularly important:

a **line** under the bowl means that the garment cannot be washed using programmes for resistant fabrics as cotton and linen;

do not mix coloured garments with whites;

anticrease materials like polyester/cotton should be treated as synthetics;

non-resistant fabrics like acrylic and most curtain materials should be treated as delicate fabrics;

the wool washing programme is designed specifically for pure new wool. Other types of wool and wool mixtures may shrink or felt if machine-washed.

Woollen garments should be spun briefly immediately after washing.

Pre-wash

Pre-wash are not normally necessary. Your new washing machine combined with modern detergents will give perfect washing results without pre-wash, thus saving energy, time, water and detergent.

When the laundry is particularly dirty, for example if you have to wash mechanics' overalls or butchers' aprons, you are advised to use pre-wash with a biological detergent.

Woollen items should never be pre-washed.

Temperatures

We advise you to wash white cottons and linen at 60°C instead of 90°C. If the laundry is not excessively dirty, it will come out just as clean and provide a saving on energy of approximately 30%.

The same applies to a lesser extent to fast coloured garments.

They usually require a temperature of 60°C but if they are not excessively dirty, they will come out clean even at 40°C.

Garments with non-fast colours should not be washed at temperatures above 40°C. If fast and non-fast colours are washed together, they should be treated as non-fast colours and therefore the temperature should not exceed 40°C.

Resistant white and coloured synthetics can normally be washed at 60°C but also in this case 40°C is sufficient if the laundry is not excessively dirty. Delicate synthetics, synthetics with non-fast colours and woollen garments must never be washed above 40°C. If only one of the labels specifies 30°C, this temperature must be selected for the whole wash. In most cases these garments can withstand 40°C but the manufacturer of your washing machine cannot be held responsible for any damage caused by washing at temperatures higher than those specified.

As you already know, your washing machine can also wash with cold water. However, it must be remembered that the detergents currently on the market have not been designed for cold washes and that in winter, when the water is very cold, they do not dissolve or only partly dissolve.

How much laundry can be washed in one load?

For cotton and linen items as well as for synthetics and wool refer to the quantities indicated on the programme charts.

Strictly speaking you should always weigh your laundry.

As weighing can be complicated, we suggest you estimate the weight according to how full the drum is:

cotton and linen:

washing: drum full but not to tightly packed drying: no more than ½ of the drum

resistant synthetics:

washing: no more than $\frac{2}{3}$ of the drum drying: no more than $\frac{1}{3}$ of the drum.

delicate fabrics and wool:

washing: no more than ½ of the drum drying: these articles should not be machine dried.

Before placing the laundry in the machine:

mend all tears, holes and ladders;

secure loose buttons and close poppers and zips; do not wash frayed garments - mend hems before washing:

remove all small objects from pockets. Nails, pins, clips and similar objects can seriously damage your washing machine and laundry;

remove curtain hooks;

wash coloured garments and in particular those with non-fast colours separately when washing for the first time. They are likely to lose colour the first time they are washed.

treat obstinate stains before washing such as grass, rust, tar, paint, ink etc. with a stain remover.

To remove paint stains, for example, use a volatile substance such as turpentine: in this case, you should wait for it to dry completely before washing.

The manufacturer of your washing machine is not responsible for any damage deriving from the use of volatile, inflammable or toxic substances.

Detergents

Under no circumstances use detergents such as soap or hand-wash detergents which are not suitable for use in a washing machine.

They can badly damage your washing machine and laundry.

A liquid detergent can be used in the middle compartment of the dispenser drawer as long as you start the machine up straight away without pre-wash. You are advised to use powder detergents for temperatures over 40°C.

For pre-wash you are advised to use a specific biological detergent in powder form. Use an ordinary powder detergent for normal washing.

«Concentrated» powder detergents can also be used.

Measure out the concentrated powder detergent directly into the machine drum, before loading the laundry. Do not use pre-wash with a concentrated powder detergent.

Use the quantity specified by the manufacturer.

Special detergents are available for delicate fabrics and wool.

Here again, only detergents designed for use in washing machines must be used.

It may be advisable to use a liquid fabric softener when you are going to dry synthetic garments in the tumble dryer for example.

This prevents the fabrics becoming charged with static electricity.

How much detergent?

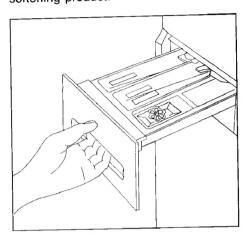
Your washing machine is provided with a water circulation system which runs continuously as it has an independent circulation pump. This means that it uses detergent sparingly.

Initially you are advised to use the quantities specified by the manufacturer. Subsequently it is worth experimenting to see if your laundry comes out clean with smaller quantities. You should also take into account the hardness of the water in your area; if you do not know how hard it is, ask your local water board.

If the drum is only half-full, you can obviously use less detergent: try with 1/4 less.

The lime present in the water will in the long run cause fabrics to go grey and felt, especially at high temperatures.

Detergents contain substances which absorb the lime and therefore you should increase the doses if your water is hard. You can, however, use less detergent and compensate for the difference by using a specific water softening product.



Drying

In this new washer-dryer, the drying of the load comes about by means of a continuous flow of hot air produced by a turbine, which, passing through the drum, gradually carries away the humidity in the freshly-washed load. This humidity is then condensed within the machine when it comes into contact with cold water.

For this reason, during the drying programs, the cold water cock MUST be open and the drainage hose coupled in the correct position.

If the laundry is still too damp at the end of the drying programme, set again the drying programme and select a further brief drying time of at least 20 mins.

Always load well spun laundry. The higher the spin speed the lower is electric energy consumption and the shorter is the drying time.

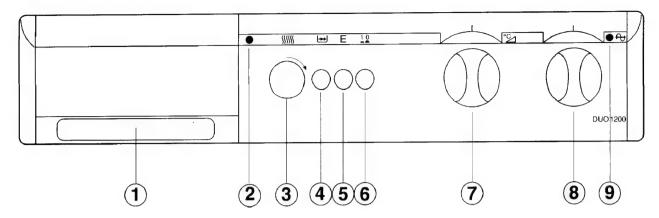
Important!

Dry only items which have been washed with water. The following items must NOT be dried in the machine:

- items which have been dry-cleaned or which have been treated with chemical stain-removers;
- items in wool or mixed wool which shrink with heat;
- extremely delicate items such as silk or synthetic curtains;
- items in foam rubber;
- items in fiber glass;
- fabrics tending to fray as, for example, carding wool, cotton-wool or excessively frayed carpets.

GETTING TO KNOW YOUR MACHINE

The control panel



- 1 Detergent dispenser drawer and programme chart
- 2 Drying indicator light
- 3 Drying time selector
- 4 «Quick wash» push-button
- 5 «Economy» push-button

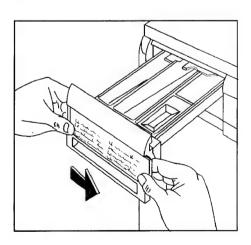
- 6 «ON/OFF» push-button
- 7 Temperature selector knob
- 8 Programme selector knob
- 9 Operating pilot light

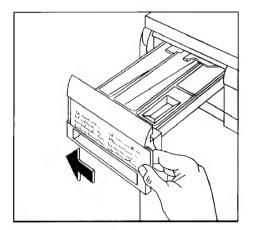
Programme chart

Four programme charts in different languages are supplied with the machine.

One of them is situated on the front part of the detergent dispenser drawer, the others are supplied with the booklet.

To replace the programme chart with a chart in another language, remove it by sliding it out. Introduce the new chart and push it completely in.





SYMBOLS AND CONTROLS

- Pre-wash: left compartment in the detergent dispenser drawer.
- Wash: central compartment of the detergent dispenser drawer.
- **%** Fabric softener right compartment of the detergent dispenser drawer.
- IWS programme for washing wool, for garments in pure new wool with machine-washable label.
 - This light will come on when the machine is drying (programmes D or J) or when you select the drying time for the auto-dry programme.
- By depressing this button on programme B and G, the wash time will be shortened by approx. 10 mins. This is suitable only for garments which are lightly soiled and unstained.
- E By depressing this button on programmes A and F you will increase the wash time by approx. 20 and 10 mins. respectively. This is suitable only for garments which are not heavily soiled and can be washed at low temperatures, for example 60°C instead of 95°C or 40°C instead of 60°C, thus providing a considerable saving on energy.
- Press this button to start the machine up: the pilot light will come on. The same button is used to switch the machine off.
- This light will come on when the «ON/OFF» button is depressed. It goes out when the button is pressed again.

Door locked light

This remains alight as long as the door is locked. The door can be opened only when the light goes out.

Drying time selector

Turn the knob clockwise to the required drying time:

orange sector: high temperature range green sector: low temperature range.

To select the required wash temperature, press and turn this knob to the left or right. If you select the position « • », the machine will wash at the temperature of the water supplied by the mains.

With the **programme selector** knob you choose the required programme. Press the knob in and turn to the right.

The labels with symbols you find on every fabric can help you to choose the best way to treat your laundry.

Strong wash Delicate wash			ax. wash perature 40°C	Max. wash temperature 30°C	Hand wast	Do not wash at all
Bleaching	Bleach	in cold water			Do not bleach	1
Ironing	Hot iron max 200°C	Warm max 1		Lukewarm iron max 110°C Do not iron		
Dry cleaning	A Dry cleaning in all solvents	Dry clea perchlore petrol, pure R 111 &	thylene, alcohol,	Dry clean in petro pure alcol and R 11	Do not dry clean	
Drying	Flat	On the line	On clot hange		high temperature low temperature	Do not tumble dry

PROGRAMMES FOR COTTON AND LINEN

Max. load: washing 5.5 kg drying 2.75 kg washing + drying 2.75 kg

WASHING

PROGRAMMES	DEGREE OF SOIL	COMPARTMENTS TO USE () if required)	THERMOSTAT DIAL POSITION	PROGRAMME DIAL POSITION	DESCRIPTION
PREWASH	Heavy soil		30-40	P	Prewash at 30°-40°C. Draining and short spinning. After this programme you can select programmes A, F or L. If you wish to use this programme as a «cold rinse», turn the thermostat dial to «•». Don't introduce powder detergent in compartment LIJ.
BOIL WASH	Normal soil	II *	95	A	Wash at 95°C 4 rinses Spin.
E-BOIL WASH	Normal soil	II ®	60	A + E	Prolonged wash at 60°C 4 rinses Spin.
COULOURED WASH	Normal soil		30 - 60	A	Wash at 30°-60°C 4 rinses Spin.
E-COLOURED WASH	Normal soil		30 - 40	A + E	Prolonged wash at 30°-40°C 4 rinses Spin.
QUICK WASH	Light soil		30 - 60	B + ₩	Quick wash at 30°-60°C 4 rinses Spin.
LONG SPIN 1200 rpm				C	Draining and long spin.
DRYING				D	This programme can be carried out separa
Fabric type/ spin speed	Quantity kg	Cupboard dry mins.	Iron dry mins.	-	tely or automatically after programme C by selecting the drying time in the orange sector at the beginning of the wash programme
Cotton and linen	2.75	80-90	55-65		
(long spin at	2.5	75-85	50-60		
1200 rpm)	2.25	65-75	45-55		
· F····/	2	60-70	40-50		
	1.5	45-55	35-45		
	1	35-40	30-35		

PROGRAMMES FOR SYNTHETICS, MIXED FABRICS, SILK AND WOOL

Max. load: washing: 2 kg, wool 1 kg
drying: 1.75 kg (wool and delicates should not be machine dried)
washing + drying 1.75 kg

At the end of the washing programmes the water is not drained in order to prevent creases forming when the garments are not removed immediately from the machine. To drain the water, select programme H or N.

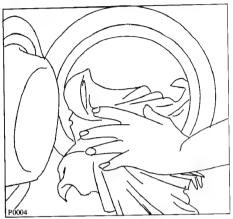
WASHING

PROGRAMMES	DEGREE OF SOIL	COMPARTMENTS TO USE (%) if required)	THERMOSTAT DIAL POSITION	PROGRAMME DIAL POSITION	DESCRIPTION
SYNTHETICS	Normal soil	II 8	30 - 60	F	Wash at 30°-60°C 3 rinses
E-SYNTHETICS	Normal soil		30 - 40	F + E	Prolonged wash at 30°-40°C 3 rinses
QUICK WASH	Light soil		30 - 60	G + ₩	Quick wash at 30°-60°C 3 rinses
WOOL	Normal soil	II 8	40	K	Wash at 40°C 3 rinses
DELICATES	Normal soil	II ®	30 - 40	L	Wash at 30°-40°C 3 rinses
RINSES		*		M	3 rinses with additive, if required
LOW SPIN				Н	Draining of water and short spin.
DRAIN				N	Draining of water.
DRYING Fabric type/ Spin speed	Quantity kg	Cupboard dry mins.		J	This programme can be carried out separately or automatically by selecting the drying time in the green sector at the beginning of the wash
Synthetics short spin at 350 rpm)	1.75 1.5 1 0.5	85-95 70-80 50-60 35-40			programme. The automatic drying is performed only on programmes F, G and H.

USING YOUR MACHINE

1. Place the laundry in the drum

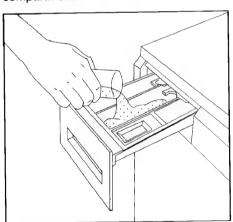
Open the loading door. Place the garments to be washed inside the drum one by one laying them as flat as possible. Close the door ensuring that the catch clicks into place.



2. Measure out the detergent into the dispenser drawer.

Pull out the detergent dispenser drawer from the control panel.

Measure out the amount of detergent required in a graduated glass and pour into the main wash compartment.

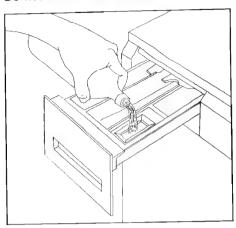


If you wish to carry out a prewash, pour the amount of detergent required into the "prewash" compartment.

3. Add the fabric softener if required.

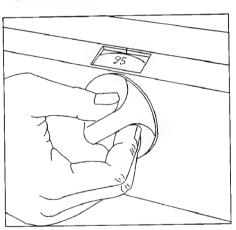
Pour the softener, if required, into the compartment marked [8].

Do not exceed the MAX level.



4. Select the temperature.

Press in and turn the temperature selection dial to the required setting.

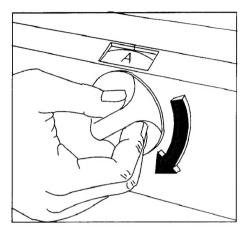


5. Press the button(s) required.

Press one or more buttons, if required, depending on the programme selected.

6. Select the required programme.

Press the dial and turn clockwise until the marker coincides with the required programme.



7. Select the drying time

(if you wish to carry out automatically the drying programme after wash).

Turn the time selector knob clockwise to the required time:

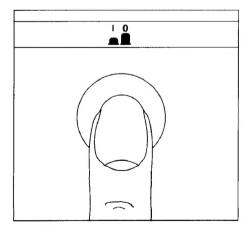
orange sector: cotton and linen items

■ green sector: synthetics.

8. Start the machine up.

Plug into the mains. Turn on the water tap. Check that the drain hose is correctly positioned.

Press the ON/OFF button. The pilot light and door locked light will come on and the machine will begin to fill with water and run the selected programme. If you have selected the drying time, the drying indicator light will also illuminate.



9. The machine has finished the programme.

The machine stops automatically.

Wait two minutes before opening the door to give the electric locking mechanism time to release it. The door pilot light must be OFF.

Press the ON/OFF button again - the pilot light will go out.

Turn the water tap off and unplug the machine from the mains.

Open the loading door and remove the laundry.

Ensure that the drum is completely empty by rotating it with one hand.

Leave the door ajar for a while to eliminate the steam.

MAINTENANCE

Bodywork

The outside of the machine can be cleaned, according to requirements, with warm water and a neutral non-abrasive household detergent. Wipe with clean water and dry after cleaning.

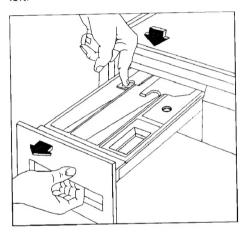
Important: do not use methylated spirit, diluents or similar products.

Detergent dispenser drawer

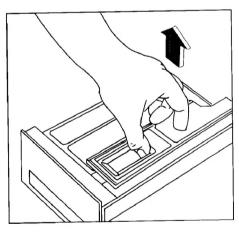
After a while detergents and fabric softeners leave a deposit in the drawer.

It should be cleaned from time to time with a jet of running water.

If necessary it can be removed completely from the machine by pressing the catch down at the top on the left.

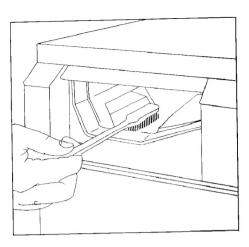


To facilitate cleaning, the upper part of the fabric softener compartment can be removed.



The drawer recess

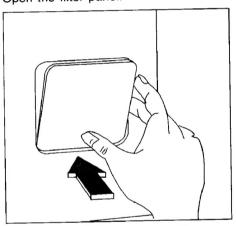
Detergent can also accumulate inside the recess which should be cleaned with an old toothbrush. Once you have finished cleaning, replace the drawer and run an rinse cycle without laundry.



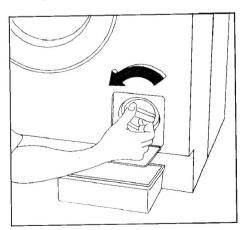
The drain filter

The drain filter collects threads and small objects left in the laundry. Check regularly that the filter is clean to ensure smooth running of your machine.

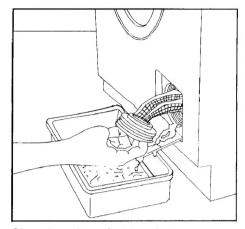
Open the filter panel.



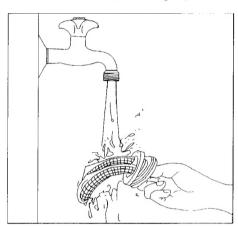
Place a bowl underneath and unscrew the filter by turning it to the left.



Remove the filter.



Clean it under a fast-running tap.

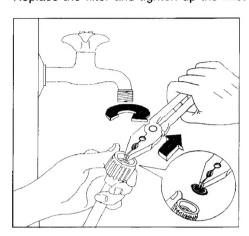


The water inlet filter

When you notice that the machine requires longer to fill with water even though the tap is fully on and the pressure is normal, the inlet filter may be clogged. It is therefore a good idea to clean it from time to time. Turn off the water tap.

Unscrew the water inlet hose.

Remove and clean the filter using a hard bristle brush. Replace the filter and tighten up the inlet hose.



SOMETHING NOT WORKING?

The machine does not start up:

- check that the door is firmly shut;
- check that the mains fuse is intact;

The machine does not fill even though the pilot light is on:

- is the tap on?
- is water coming out of the tap? Check.
- is the inlet hose squashed or bent?
- is the filter of the inlet hose clogged?

The machine empties as it fills:

■ the end of the drain hose is too low.

The machine does not drain and/or does not spin:

- is the drain hose squashed or bent?
- is the drain filter clogged?

There is water on the floor:

- too much detergent or unsuitable detergent? The formation of foam can cause water leaks.
- is one of the joints or the tap leaking? It is not always easy to see as the leak often runs along the pipe.

The machine vibrates or is too noisy:

- have all the transit bolts and packing been removed?
- is the machine touching something?
- are all the feet resting firmly on the ground? Have the lock nuts been secured?

The machine does not dry:

- has the drying time been selected?
- is the tap on?
- is the drain filter clogged?
- is the machine overloaded?
- is the selected drying time adequate to the purpose?

If you are unable to identify or solve the problem, consult our servicing department. Before telephoning, make a note of the make, model and date of purchase of your machine: the servicing department will require this information.

